

<110> INCYTE CORPORATION; CHAWLA, Narinder K.;
TANG, Y. Tom Tang; GRIFFIN, Jennifer A.;
YANG, Yonghong G.; RAMKUMAR, Jayalaxmi;
KHARE, Reena; RICHARDSON, Thomas W.;
BECHA, Shanya D.; TRAN, Uyen K.;
KABLE, Amy E.; SWARNAKAR, Anita;
WARREN, Bridget A.; ELLIOTT, Vicki S.;
MARQUIS, Joseph P.; HAFALIA, April J.A.

<120> CARBOHYDRATE-ASSOCIATED PROTEINS

<130> PF-1612 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/425,423

<151> 2002-11-12

<150> US 60/441,847

<151> 2003-01-21

<150> US 60/453,882

<151> 2003-03-10

<150> US 60/456,645

<151> 2003-03-20

<150> US 60/463,676

<151> 2003-04-16

<160> 40

<170> PERL Program

<210> 1

<211> 108

<212> PRT

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7521032CD1

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Ala	Ala	Ser	Tyr	Ser	Glu	Thr	Val	Thr	Cys	Glu	Asp	Ala	Gln	Lys
				20					25					30
Thr	Cys	Pro	Ala	Val	Ile	Ala	Cys	Ser	Ser	Pro	Gly	Ile	Asn	Gly
				35					40					45
Phe	Pro	Gly	Lys	Asp	Gly	Arg	Asp	Gly	Thr	Lys	Gly	Glu	Lys	Gly
				50					55					60
Glu	Pro	Gly	Gln	Gly	Leu	Arg	Gly	Leu	Gln	Gly	Pro	Pro	Gly	Lys
				65					70					75
Leu	Gly	Pro	Pro	Gly	Asn	Pro	Gly	Pro	Ser	Gly	Ser	Pro	Gly	Pro
				80					85					90
Lys	Gly	Gln	Lys	Gly	Asp	Pro	Gly	Lys	Ser	Pro	Gly	Lys	Asp	Pro
				95					100					105
Ser	Lys	Val												

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<211> 622

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<213> Homo sapiens

<220>
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Met Ala Glu Asn Thr Glu Gly Asp Leu Asn Ser Asn Leu Leu His
1 5 10 15
Ala Pro Tyr His Thr Gly Asp Pro Gln Leu Asp Thr Ala Ile Gly
20 25 30
Gln Trp Leu Arg Trp Asp Lys Asn Pro Lys Thr Lys Glu Gln Ile
35 40 45
Glu Asn Leu Leu Arg Asn Gly Met Asn Lys Glu Leu Arg Asp Arg
50 55 60
Leu Cys Cys Arg Met Thr Phe Gly Thr Ala Gly Leu Arg Ser Ala
65 70 75
Met Gly Ala Gly Phe Cys Tyr Ile Asn Asp Leu Thr Val Ile Gln
80 85 90
Ser Thr Gln Gly Met Tyr Lys Tyr Leu Glu Arg Cys Phe Ser Asp
95 100 105
Phe Lys Gln Arg Gly Phe Val Val Gly Tyr Asp Thr Arg Gly Gln
110 115 120
Val Thr Ser Ser Cys Ser Ser Gln Arg Leu Ala Lys Leu Thr Ala
125 130 135
Ala Val Leu Leu Ala Lys Asp Val Pro Val Tyr Leu Phe Ser Arg
140 145 150
Tyr Val Pro Thr Pro Phe Val Pro Tyr Ala Val Gln Lys Leu Lys
155 160 165
Ala Val Ala Gly Val Met Ile Thr Ala Ser His Asn Arg Lys Glu
170 175 180
Asp Asn Gly Tyr Lys Val Tyr Trp Glu Thr Gly Ala Gln Ile Thr
185 190 195
Ser Pro His Asp Lys Glu Ile Leu Lys Cys Ile Glu Glu Cys Val
200 205 210
Glu Pro Trp Asn Gly Ser Trp Asn Asp Asn Leu Val Asp Thr Ser
215 220 225
Pro Leu Lys Arg Asp Pro Leu Gln Asp Ile Cys Arg Arg Tyr Met
230 235 240
Glu Asp Leu Lys Lys Ile Cys Phe Tyr Arg Glu Leu Asn Ser Lys
245 250 255
Thr Thr Leu Lys Phe Val His Thr Ser Phe His Gly Val Gly His
260 265 270
Asp Tyr Val Gln Leu Ala Phe Lys Val Phe Gly Phe Lys Pro Pro
275 280 285
Ile Pro Val Pro Glu Gln Lys Asp Pro Asp Pro Asp Phe Ser Thr
290 295 300
Val Lys Cys Pro Asn Pro Glu Glu Gly Glu Ser Val Leu Glu Leu
305 310 315
Ser Leu Arg Leu Ala Glu Lys Glu Asn Ala Arg Val Val Leu Ala
320 325 330
Thr Asp Pro Asp Ala Asp Arg Leu Ala Ala Ala Glu Leu Gln Glu
335 340 345
Asn Gly Cys Trp Lys Val Phe Thr Gly Asn Glu Leu Ala Ala Leu
350 355 360
Phe Gly Trp Trp Met Phe Asp Cys Trp Lys Lys Asn Lys Ser Arg
365 370 375
Asn Ala Asp Val Lys Asn Val Tyr Met Leu Ala Thr Thr Val Ser
380 385 390
Ser Lys Ile Leu Lys Ala Ile Ala Leu Lys Glu Gly Phe His Phe
395 400 405
Glu Glu Thr Leu Pro Gly Phe Lys Trp Ile Gly Ser Arg Ile Ile

410	415	420
Asp Leu Leu Glu Asn Gly Lys Glu Val	Leu Phe Ala Phe Glu Glu	
425	430	435
Ser Ile Gly Phe Leu Cys Gly Thr Ser	Val Leu Asp Lys Asp Gly	
440	445	450
Val Ser Ala Ala Val Val Val Ala Glu	Met Ala Ser Tyr Leu Glu	
455	460	465
Thr Met Asn Ile Thr Leu Lys Gln Gln	Leu Val Lys Val Tyr Glu	
470	475	480
Lys Tyr Gly Tyr His Ile Ser Lys Thr	Ser Tyr Phe Leu Cys Tyr	
485	490	495
Glu Pro Pro Thr Ile Lys Ser Ile Phe	Glu Arg Leu Arg Asn Phe	
500	505	510
Asp Ser Pro Lys Glu Tyr Pro Lys Phe	Cys Gly Thr Phe Ala Ile	
515	520	525
Leu His Val Arg Asp Ile Thr Thr Gly	Tyr Asp Ser Ser Gln Pro	
530	535	540
Asn Lys Lys Ser Val Leu Pro Val Ser	Lys Asn Ser Gln Met Ile	
545	550	555
Thr Phe Thr Phe Gln Asn Gly Cys Val	Ala Thr Leu Arg Thr Ser	
560	565	570
Gly Thr Glu Pro Lys Ile Lys Tyr Tyr	Ala Glu Met Cys Ala Ser	
575	580	585
Pro Asp Gln Ser Asp Thr Ala Leu Leu	Glu Glu Glu Leu Lys Lys	
590	595	600
Leu Ile Asp Ala Leu Ile Glu Asn Phe	Leu Gln Pro Ser Lys Asn	
605	610	615
Gly Leu Ile Trp Arg Ser Val		
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<210> 3

<211> 210

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7521726CD1

<400> 3

Met Ala Gly Cys Val	Pro Leu Leu Gln Gly	Leu Val Leu Val Leu
1	5	10
Ala Leu His Arg Val	Glu Pro Ser Val Phe	Leu Pro Ala Ser Lys
20	25	30
Ala Asn Asp Val Leu	Val Arg Trp Lys Arg	Ala Gly Ser Tyr Leu
35	40	45
Leu Glu Glu Leu Phe	Glu Gly Asn Leu Glu	Lys Glu Cys Tyr Glu
50	55	60
Glu Thr Cys Val Tyr	Glu Glu Ala Arg Glu	Val Phe Glu Asn Glu
65	70	75
Val Val Thr Asp Glu	Phe Trp Arg Arg Tyr	Lys Gly Gly Ser Pro
80	85	90
Cys Ile Ser Gln Pro	Cys Leu His Asn Gly	Ser Cys Gln Asp Ser
95	100	105
Ile Trp Gly Tyr Thr	Cys Thr Cys Ser Pro	Gly Tyr Glu Gly Ser
110	115	120
Asn Cys Glu Leu Ala	Lys Asn Glu Cys His	Pro Glu Arg Thr Asp
125	130	135
Gly Cys Gln His Phe	Cys Leu Pro Gly Gln	Glu Ser Tyr Thr Cys
140	145	150
Ser Cys Ala Gln Gly	Tyr Arg Leu Gly Glu	Asp His Lys Gln Cys
155	160	165
Val Pro His Asp Gln	Cys Ala Cys Gly Val	Leu Thr Ser Glu Lys

	170		175		180
Arg Ala Pro Asp	Leu Gln Asp Leu Pro Trp	Gln Asn Glu Pro Arg			
	185		190		195
Pro Ala Asp Asp	Gln Asp Asn Ala Arg Pro	Cys Ala His Ala Val			
	200		205		210

<210> 4
 <211> 248
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7523383CD1

<400> 4

Met Ala Lys Asp Phe	Gln Asp Ile Gln	Gln Leu Ser Ser Glu Glu	
1	5	10	15
Asn Asp His Pro Phe	His Gln Gly Ala	Gln Leu Gln Ala Glu Leu	
	20	25	30
Arg Ser Leu Lys Glu	Ala Phe Ser Asn	Phe Ser Ser Ser Thr Leu	
	35	40	45
Thr Glu Val Gln Ala	Ile Ser Thr His	Gly Gly Ser Val Gly Asp	
	50	55	60
Lys Ile Thr Ser Leu	Gly Ala Lys Leu	Glu Lys Gln Gln Gln Asp	
	65	70	75
Leu Lys Ala Asp His	Asp Ala Leu Leu	Phe His Leu Lys His Phe	
	80	85	90
Pro Val Asp Leu Arg	Phe Val Ala Cys	Gln Met Glu Leu Leu His	
	95	100	105
Ser Asn Gly Ser Gln	Arg Thr Cys Cys	Pro Val Asn Trp Val Glu	
	110	115	120
His Gln Gly Ser Cys	Tyr Trp Phe Ser	His Ser Gly Lys Ala Trp	
	125	130	135
Ala Glu Ala Glu Lys	Tyr Cys Gln Leu	Glu Asn Ala His Leu Val	
	140	145	150
Val Ile Asn Ser Trp	Glu Glu Gln Lys	Phe Ile Val Gln His Thr	
	155	160	165
Asn Pro Phe Asn Thr	Trp Ile Gly Leu	Thr Asp Ser Asp Gly Ser	
	170	175	180
Trp Lys Trp Val Asp	Gly Thr Asp Tyr	Arg His Asn Tyr Lys Asn	
	185	190	195
Trp Ala Val Thr Gln	Pro Asp Asn Trp	His Gly His Glu Leu Gly	
	200	205	210
Gly Ser Glu Asp Cys	Val Glu Val Gln	Pro Asp Gly Arg Trp Asn	
	215	220	225
Asp Asp Phe Cys Leu	Gln Val Tyr Arg	Trp Val Cys Gly Lys Arg	
	230	235	240
Arg Asn Ala Thr Gly	Glu Val Ala		
	245		

<210> 5
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7522027CD1

<400> 5

Met Ala Gly Cys Val	Pro Leu Leu Gln Gly	Leu Val Leu Val Leu
---------------------	---------------------	---------------------

1	5	10	15
Ala Leu His Arg Val	Glu Pro Ser Val	Phe Leu Pro Ala Ser	Lys
20	25	30	
Ala Asn Asp Val Leu	Val Arg Trp Lys Arg	Ala Gly Ser Tyr	Leu
35	40	45	
Leu Glu Glu Leu Phe	Glu Gly Asn Leu Glu	Lys Glu Cys Tyr	Glu
50	55	60	
Glu Ile Cys Val Tyr	Glu Glu Ala Arg Glu	Val Phe Glu Asn	Glu
65	70	75	
Val Val Thr Asp Glu	Phe Trp Arg Arg Tyr	Lys Gly Lys Trp	Phe
80	85	90	
Pro Ser Ser Pro Gln	Lys Tyr		
95			

<210> 6
 <211> 479
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524406CD1

<400> 6

Met Gly Arg Ile Gly	Ile Ser Cys Leu Phe	Pro Ala Ser Trp His
1	5	10
Phe Ser Ile Ser Pro	Val Gly Cys Pro Arg	Ile Leu Asn Thr Asn
20	25	30
Leu Arg Gln Ile Met	Val Ile Ser Val Leu	Ala Ala Ala Val Ser
35	40	45
Leu Leu Tyr Phe Ser	Val Val Ile Ile Arg	Asn Lys Tyr Gly Arg
50	55	60
Leu Thr Arg Asp Lys	Lys Phe Gln Arg Tyr	Leu Ala Arg Val Thr
65	70	75
Asp Ile Glu Ala Thr	Asp Thr Asn Asn Pro	Asn Val Ser Tyr Gly
80	85	90
Ile Val Val Asp Cys	Gly Ser Ser Gly Ser	Arg Val Phe Val Tyr
95	100	105
Cys Trp Pro Arg His	Asn Gly Asn Pro His	Asp Leu Leu Asp Ile
110	115	120
Arg Gln Met Arg Asp	Lys Asn Arg Lys Pro	Val Val Met Lys Ile
125	130	135
Lys Pro Gly Ile Ser	Glu Phe Ala Thr Ser	Pro Glu Lys Val Ser
140	145	150
Asp Tyr Ile Ser Pro	Leu Leu Asn Phe Ala	Glu His Val Pro
155	160	165
Arg Ala Lys His Lys	Glu Thr Pro Leu Tyr	Ile Leu Cys Thr Ala
170	175	180
Gly Met Arg Ile Leu	Pro Glu Ser Gln Lys	Ala Ile Leu Glu
185	190	195
Asp Leu Leu Thr Asp	Ile Pro Val His Phe	Asp Phe Leu Phe Ser
200	205	210
Asp Ser His Ala Glu	Val Ile Ser Gly Lys	Gln Glu Gly Val Tyr
215	220	225
Ala Trp Ile Gly Ile	Asn Phe Val Leu Gly	Arg Phe Glu His Ile
230	235	240
Glu Asp Asp Asp Glu	Ala Val Val Glu Val	Asn Ile Pro Gly Ser
245	250	255
Glu Ser Ser Glu Ala	Ile Val Arg Lys Arg	Thr Ala Gly Ile Leu
260	265	270
Asp Met Gly Gly Val	Ser Thr Gln Ile Ala	Tyr Glu Val Pro Lys
275	280	285
Thr Glu Glu Val Ala	Lys Asn Leu Leu Ala	Glu Phe Asn Leu Gly

Cys Asp Val His	290	Gln Thr Glu His Val	295	Tyr Arg Val Tyr Val Ala	300
Thr Phe Leu Gly	305	Phe Gly Gly Asn Ala	310	Ala Arg Gln Arg Tyr Glu	315
Asp Arg Ile Phe	320	Ala Asn Thr Ile Gln	325	Lys Asn Arg Leu Leu Gly	330
Lys Gln Thr Gly	335	Leu Thr Pro Asp Met	340	Pro Tyr Leu Asp Pro Cys	345
Leu Pro Leu Asp	350	Ile Lys Asp Glu Ile	355	Gln Gln Asn Gly Gln Thr	360
Ile Tyr Leu Arg	365	Gly Thr Gly Asp Phe	370	Asp Leu Cys Arg Glu Thr	375
Ile Gln Pro Phe	380	Met Asn Lys Thr Asn	385	Glu Thr Gln Thr Ser Leu	390
Asn Gly Val Tyr	395	Gln Pro Pro Ile His	400	Phe Gln Asn Ser Glu Phe	405
Tyr Gly Phe Ser	410	Glu Phe Tyr Tyr Cys	415	Thr Glu Asp Val Leu Arg	420
Met Gly Gly Asp	425	Tyr Asn Ala Ala Lys	430	Phe Thr Lys Ala Ala Lys	435
Asp Tyr Cys Ala	440	Thr Lys Trp Ser Ile	445	Leu Arg Glu Arg Phe Asp	450
Arg Gly Leu Tyr	455	Ala Ser His Ala Asp	460	Leu His Arg Leu Lys	465
	470		475		

<210> 7

<211> 222

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7524922CD1

<400> 7

Met Ser Asp Ser Lys	5	Glu Pro Arg Val	10	Gln Gln Leu Gly Leu Leu	15
Val Ser Lys Val Pro	20	Ser Ser Leu Ser	25	Gln Glu Gln Ser Glu Gln	30
Asp Ala Ile Tyr Gln	35	Asn Leu Thr Gln	40	Leu Lys Ala Ala Val Gly	45
Glu Leu Ser Glu Lys	50	Ser Lys Leu Gln	55	Glu Ile Tyr Gln Glu Leu	60
Thr Gln Leu Lys Ala	65	Ala Val Gly Glu	70	Leu Pro Glu Lys Ser Lys	75
Leu Gln Glu Ile Tyr	80	Gln Glu Leu Thr	85	Arg Leu Lys Ala Ala Val	90
Gly Glu Leu Pro Glu	95	Lys Ser Lys Leu	100	Gln Glu Ile Tyr Gln Glu	105
Leu Thr Arg Leu Lys	110	Ala Ala Val Gly	115	Glu Leu Pro Glu Lys Ser	120
Lys Leu Gln Glu Ile	125	Tyr Gln Glu Leu	130	Thr Gln Leu Lys Ala Ala	135
Val Gly Glu Leu Pro	140	Asp Gln Ser Lys	145	Gln Gln Gln Ile Tyr Gln	150
Glu Leu Thr Asp Leu	155	Lys Thr Ala Phe	160	Glu Arg Leu Cys Arg His	165
Cys Pro Lys Asp Trp	170	Thr Phe Phe Gln	175	Gly Asn Cys Tyr Phe Met	180
Ser Asn Ser Gln Arg	185	Asn Trp His Asn	190	Ser Val Thr Ala Cys Gln	195
Glu Val Arg Ala Gln		Leu Val Val Ile		Lys Thr Ala Glu Glu Gln	

	200		205		210
Leu Pro Ala Val	Leu Glu Gln Trp Arg	Thr Gln Gln			
	215		220		

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 <212> PRT
 <213> Homo sapiens

<220>
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 Glu Asp Pro Thr Thr Ser Gly Ile Arg Leu Phe Pro Arg Asp Phe
 20 25 30
 Gln Phe Gln Gln Ile His Gly His Lys Ser Ser Thr Val Ser Lys
 35 40 45
 Val Pro Ser Ser Leu Ser Gln Glu Gln Ser Glu Gln Asp Ala Ile
 50 55 60
 Tyr Gln Asn Leu Thr Gln Leu Lys Ala Ala Val Gly Glu Leu Ser
 65 70 75
 Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu Leu Thr Gln Leu
 80 85 90
 Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser Lys Leu Gln Glu
 95 100 105
 Ile Tyr Gln Glu Leu Thr Arg Leu Lys Ala Ala Val Gly Glu Leu
 110 115 120
 Pro Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu Leu Thr Arg
 125 130 135
 Leu Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser Lys Leu Gln
 140 145 150
 Glu Ile Tyr Gln Glu Leu Thr Arg Leu Lys Ala Ala Val Gly Glu
 155 160 165
 Leu Pro Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu Leu Thr
 170 175 180
 Glu Leu Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser Lys Leu
 185 190 195
 Gln Glu Ile Tyr Gln Glu Leu Thr Gln Leu Lys Ala Ala Val Gly
 200 205 210
 Glu Leu Pro Asp Gln Ser Lys Gln Gln Gln Ile Tyr Gln Glu Leu
 215 220 225
 Thr Asp Leu Lys Thr Ala Phe Glu Arg Leu Cys Arg His Cys Pro
 230 235 240
 Lys Asp Trp Thr Phe Phe Gln Gly Asn Cys Tyr Phe Met Ser Asn
 245 250 255
 Ser Gln Arg Asn Trp His Asp Ser Val Thr Ala Cys Gln Glu Val
 260 265 270
 Arg Ala Gln Leu Val Val Ile Lys Thr Ala Glu Glu Gln Asn Phe
 275 280 285
 Leu Gln Leu Gln Thr Ser Arg Ser Asn Arg Phe Ser Trp Met Gly
 290 295 300
 Leu Ser Asp Leu Asn Gln Glu Gly Thr Trp Gln Trp Val Asp Gly
 305 310 315
 Ser Pro Leu Ser Pro Ser Phe Gln Arg Tyr Trp Asn Ser Gly Glu
 320 325 330
 Pro Asn Asn Ser Gly Asn Glu Asp Cys Ala Glu Phe Ser Gly Ser
 335 340 345
 Gly Trp Asn Asp Asn Arg Cys Asp Val Asp Asn Tyr Trp Ile Cys
 350 355 360
 Lys Lys Pro Ala Pro Arg Phe Arg Asp Glu

365

370

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 <211> 77
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7512039CD1

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 1 5 10 15
 Cys Phe Ser Ser Gln Met Phe Leu Trp Thr Val Ala Gly Ile Pro
 20 25 30
 Ile Leu Phe Leu Ser Ala Cys Phe Ile Thr Arg Cys Val Val Thr
 35 40 45
 Phe Arg Ile Phe Gln Thr Cys Asp Glu Lys Lys Phe Gln Leu Pro
 50 55 60
 Glu Asn Phe Thr Glu Leu Ser Cys Tyr Asn Tyr Gly Ser Ala Ser
 65 70 75
 Gly Met

<210> 10
 <211> 415
 <212> PRT
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7512576CD1

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 Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu
 1 5 10 15
 Leu Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu
 20 25 30
 Arg Arg Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala
 35 40 45
 Leu Pro Gly Ala Gly Ile Pro Phe Trp Ser His His Gly Asp Ala
 50 55 60
 Ile Leu Gly Leu Glu Glu Val Arg Leu Thr Pro Ser Met Arg Asn
 65 70 75
 Arg Ser Gly Ala Val Trp Ser Arg Ala Ser Val Pro Phe Ser Ala
 80 85 90
 Trp Glu Val Glu Val Gln Met Arg Val Thr Gly Leu Gly Arg Arg
 95 100 105
 Gly Ala Gln Gly Met Ala Val Trp Tyr Thr Arg Gly Arg Gly His
 110 115 120
 Val Gly Ser Val Leu Gly Gly Leu Ala Ser Trp Asp Gly Ile Gly
 125 130 135
 Ile Phe Phe Asp Ser Pro Ala Glu Asp Thr Gln Asp Ser Pro Ala
 140 145 150
 Ile Arg Val Leu Ala Ser Asp Gly His Ile Pro Ser Glu Gln Pro
 155 160 165
 Gly Asp Gly Ala Ser Gln Gly Leu Gly Ser Cys His Trp Asp Phe
 170 175 180
 Arg Asn Arg Pro His Pro Phe Arg Ala Arg Ile Thr Tyr Trp Gly
 185 190 195
 Gln Arg Leu Arg Met Ser Leu Asn Ser Gly Leu Thr Pro Ser Asp
 200 205 210

Pro	Asp	Asp	His	Asp	Val	Leu	Ser	Phe	Leu	Thr	Phe	Ser	Leu	Ser			
				215					220					225			
Glu	Pro	Ser	Pro	Glu	Val	Pro	Pro	Gln	Pro	Phe	Leu	Glu	Met	Gln			
				230					235					240			
Gln	Leu	Arg	Leu	Ala	Arg	Gln	Leu	Glu	Gly	Leu	Trp	Ala	Arg	Leu			
				245					250					255			
Gly	Leu	Gly	Thr	Arg	Glu	Asp	Val	Thr	Pro	Lys	Ser	Asp	Ser	Glu			
				260					265					270			
Ala	Gln	Gly	Glu	Gly	Glu	Arg	Leu	Phe	Asp	Leu	Glu	Glu	Thr	Leu			
				275					280					285			
Gly	Arg	His	Arg	Arg	Ile	Leu	Gln	Ala	Leu	Arg	Gly	Leu	Ser	Lys			
				290					295					300			
Gln	Leu	Ala	Gln	Ala	Glu	Arg	Gln	Trp	Lys	Lys	Gln	Leu	Gly	Pro			
				305					310					315			
Pro	Gly	Gln	Ala	Arg	Pro	Asp	Gly	Gly	Trp	Ala	Leu	Asp	Ala	Ser			
				320					325					330			
Cys	Gln	Ile	Pro	Ser	Thr	Pro	Gly	Arg	Gly	Gly	His	Leu	Ser	Met			
				335					340					345			
Ser	Leu	Asn	Lys	Asp	Ser	Ala	Lys	Val	Gly	Ala	Leu	Leu	His	Gly			
				350					355					360			
Gln	Trp	Thr	Leu	Leu	Gln	Ala	Leu	Gln	Glu	Met	Ser	Arg	Gln	Glu			
				365					370					375			
Leu	Asn	Lys	Ser	Leu	Gln	Glu	Cys	Leu	Ser	Thr	Gly	Ser	Leu	Pro			
				380					385					390			
Leu	Gly	Pro	Ala	Pro	His	Thr	Pro	Arg	Ala	Leu	Gly	Ile	Leu	Met			
				395					400					405			
Arg	Gln	Pro	Leu	Pro	Ala	Ser	Met	Pro	Ala								
				410					415								

<210> 11
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 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7514864CD1

<400>	11																
Met	Ala	Ala	Ala	Met	Pro	Leu	Ala	Leu	Leu	Val	Leu	Leu	Leu	Leu			
				5					10					15			
Gly	Pro	Gly	Gly	Trp	Cys	Leu	Ala	Glu	Pro	Pro	Arg	Asp	Ser	Leu			
				20					25					30			
Arg	Glu	Glu	Leu	Val	Ile	Thr	Pro	Leu	Pro	Ser	Gly	Asp	Val	Ala			
				35					40					45			
Ala	Thr	Phe	Gln	Phe	Arg	Thr	Arg	Trp	Asp	Ser	Glu	Leu	Gln	Arg			
				50					55					60			
Glu	Gly	Gly	Leu	Ser	Val	Leu	Leu	Lys	Ala	Asp	Arg	Leu	Phe	His			
				65					70					75			
Thr	Ser	Tyr	His	Ser	Gln	Ala	Val	His	Ile	Arg	Pro	Val	Cys	Arg			
				80					85					90			
Asn	Ala	Arg	Cys	Thr	Ser	Ile	Ser	Trp	Glu	Leu	Arg	Gln	Thr	Leu			
				95					100					105			
Ser	Val	Val	Phe	Asp	Ala	Phe	Ile	Ala	Gly	Gln	Gly	Lys	Lys	Asp			
				110					115					120			
Trp	Ser	Leu	Phe	Arg	Met	Phe	Ser	Arg	Thr	Leu	Thr	Glu	Pro	Cys			
				125					130					135			
Pro	Leu	Ala	Ser	Glu	Ser	Arg	Val	Tyr	Val	Asp	Ile	Thr	Thr	Tyr			
				140					145					150			
Asn	Gln	Asp	Asn	Glu	Thr	Leu	Glu	Val	His	Pro	Pro	Pro	Thr	Thr			
				155					160					165			
Thr	Tyr	Gln	Asp	Val	Ile	Leu	Gly	Thr	Arg	Lys	Thr	Tyr	Ala	Ile			
				170					175					180			

Tyr	Asp	Leu	Leu	Asp	Thr	Ala	Met	Ile	Asn	Asn	Ser	Arg	Asn	Leu	
				185					190					195	
Asn	Ile	Gln	Leu	Lys	Trp	Lys	Arg	Pro	Pro	Glu	Asn	Glu	Ala	Pro	
				200					205					210	
Pro	Val	Pro	Phe	Leu	Arg	Ala	Gln	Arg	Tyr	Val	Ser	Gly	Tyr	Gly	
				215					220					225	
Leu	Gln	Lys	Gly	Glu	Leu	Ser	Thr	Leu	Leu	Tyr	Asn	Thr	His	Pro	
				230					235					240	
Tyr	Arg	Ala	Phe	Pro	Val	Leu	Leu	Leu	Asp	Thr	Val	Pro	Trp	Tyr	
				245					250					255	
Leu	Arg	Leu	Tyr	Val	His	Thr	Leu	Thr	Ile	Thr	Ser	Lys	Gly	Lys	
				260					265					270	
Glu	Asn	Lys	Pro	Ser	Tyr	Ile	His	Tyr	Gln	Pro	Ala	Gln	Asp	Arg	
				275					280					285	
Leu	Gln	Pro	His	Leu	Leu	Glu	Met	Leu	Ile	Gln	Leu	Pro	Ala	Asn	
				290					295					300	
Ser	Val	Thr	Lys	Val	Ser	Ile	Gln	Phe	Glu	Arg	Ala	Leu	Leu	Lys	
				305					310					315	
Trp	Thr	Glu	Tyr	Thr	Pro	Asp	Pro	Asn	His	Gly	Phe	Tyr	Val	Ser	
				320					325					330	
Pro	Ser	Val	Leu	Ser	Ala	Leu	Val	Pro	Ser	Met	Val	Ala	Ala	Lys	
				335					340					345	
Pro	Val	Asp	Trp	Glu	Glu	Ser	Pro	Leu	Phe	Asn	Ser	Leu	Phe	Pro	
				350					355					360	
Val	Ser	Asp	Gly	Ser	Asn	Tyr	Phe	Val	Arg	Leu	Tyr	Thr	Glu	Pro	
				365					370					375	
Leu	Leu	Val	Asn	Leu	Pro	Thr	Pro	Asp	Phe	Ser	Met	Pro	Tyr	Asn	
				380					385					390	
Val	Ile	Cys	Leu	Thr	Cys	Thr	Val	Val	Ala	Val	Cys	Tyr	Gly	Ser	
				395					400					405	
Phe	Tyr	Asn	Leu	Leu	Thr	Arg	Thr	Phe	His	Ile	Glu	Glu	Pro	Arg	
				410					415					420	
Thr	Gly	Gly	Leu	Ala	Lys	Arg	Leu	Ala	Asn	Leu	Ile	Arg	Arg	Ala	
				425					430					435	
Arg	Gly	Val	Pro	Pro	Leu										
				440											

<210> 12
 <211> 283
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 8266965CD1

<400> 12															
Met	Thr	Gln	Leu	Lys	Glu	Ala	Ala	Ile	Gly	Val	Leu	Val	Leu	Ser	
				5					10					15	
Trp	Tyr	Pro	Pro	Gly	Met	Ala	Asp	Asp	Asn	Gly	Glu	Pro	Ser	Asp	
				20					25					30	
Asp	Leu	Val	Pro	Ala	Ile	Leu	Asp	Thr	Ala	His	Gln	Tyr	Ser	Ile	
				35					40					45	
Gln	Val	Ala	Phe	His	Ile	Gln	Pro	Tyr	Lys	Gly	Arg	Asp	Asp	Ile	
				50					55					60	
Thr	Val	His	Asp	Asn	Ile	Lys	Tyr	Ile	Ile	Asp	Thr	Tyr	Gly	Ser	
				65					70					75	
His	Gly	Ala	Phe	Tyr	Arg	Tyr	Lys	Asn	Ser	Met	Gly	Lys	Ser	Leu	
				80					85					90	
Pro	Leu	Phe	Tyr	Ile	Tyr	Asp	Ser	Tyr	Leu	Thr	Ser	Pro	Glu	Ala	
				95					100					105	
Trp	Ala	His	Leu	Leu	Thr	Pro	Asn	Gly	Pro	His	Ser	Ile	Arg	Asn	
				110					115					120	

Thr	Pro	Tyr	Asp	Gly	Val	Phe	Ile	Ala	Leu	Leu	Val	Glu	Glu	Gly	
				125					130					135	
His	Thr	His	Asp	Ile	Leu	Ala	Ala	Gly	Phe	Asp	Gly	Met	Tyr	Thr	
				140					145					150	
Tyr	Phe	Ala	Ser	Asn	Gly	Phe	Ser	Phe	Gly	Ser	Ser	His	Gln	Asn	
				155					160					165	
Trp	Lys	Ala	Val	Lys	Asn	Phe	Cys	Asp	Ala	Asn	Asn	Leu	Met	Phe	
				170					175					180	
Ile	Pro	Ser	Val	Gly	Pro	Gly	Tyr	Ile	Asp	Thr	Ser	Ile	Arg	Pro	
				185					190					195	
Trp	Asn	Asn	His	Asn	Thr	Arg	Asn	Arg	Val	Asn	Gly	Lys	Tyr	Tyr	
				200					205					210	
Glu	Thr	Ala	Leu	Gln	Ala	Ala	Leu	Thr	Val	Arg	Pro	Glu	Ile	Val	
				215					220					225	
Ser	Ile	Thr	Ser	Phe	Asn	Glu	Trp	His	Glu	Gly	Thr	Gln	Ile	Glu	
				230					235					240	
Lys	Ala	Ile	Pro	Lys	Lys	Thr	Pro	Thr	Arg	Leu	Tyr	Leu	Asp	Tyr	
				245					250					255	
Leu	Pro	His	Gln	Pro	Ser	Leu	Tyr	Leu	Glu	Leu	Thr	Arg	Arg	Trp	
				260					265					270	
Ala	Glu	His	Phe	Ile	Lys	Glu	Lys	Glu	Gln	Trp	Leu	Met			
				275					280						

<210> 13
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515124CD1

<400>	13														
Met	Ser	Ala	Leu	Trp	Leu	Leu	Leu	Gly	Leu	Leu	Ala	Leu	Met	Gly	
1				5					10					15	
Val	Arg	Ala	Ser	Glu	Arg	Leu	Ala	Glu	Ile	Asp	Met	Pro	Tyr	Leu	
				20					25					30	
Leu	Lys	Tyr	Gln	Pro	Met	Met	Gln	Thr	Ile	Gly	Gln	Lys	Tyr	Cys	
				35					40					45	
Met	Asp	Pro	Ala	Val	Ile	Ala	Gly	Val	Leu	Ser	Arg	Lys	Ser	Pro	
				50					55					60	
Gly	Asp	Lys	Ile	Leu	Val	Asn	Met	Gly	Asp	Arg	Thr	Ser	Met	Val	
				65					70					75	
Gln	Asp	Pro	Gly	Ser	Gln	Ala	Pro	Thr	Ser	Trp	Ile	Ser	Glu	Ser	
				80					85					90	
Gln	Val	Ser	Gln	Thr	Thr	Glu	Val	Leu	Thr	Thr	Arg	Ile	Lys	Glu	
				95					100					105	
Ile	Gln	Arg	Arg	Phe	Pro	Thr	Trp	Thr	Pro	Asp	Gln	Tyr	Leu	Arg	
				110					115					120	
Gly	Gly	Leu	Cys	Ala	Tyr	Ser	Gly	Gly	Ala	Gly	Tyr	Val	Arg	Ser	
				125					130					135	
Ser	Gln	Asp	Leu	Ser	Cys	Asp	Phe	Cys	Asn	Asp	Val	Leu	Ala	Arg	
				140					145					150	
Ala	Lys	Tyr	Leu	Lys	Arg	His	Gly	Phe							
				155											

<210> 14
 <211> 154
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte ID No: 7514570CD1

<400> 14

Met	His	Asp	Ser	Asn	Asn	Val	Glu	Lys	Asp	Ile	Thr	Pro	Ser	Glu	
1				5					10					15	
Leu	Pro	Ala	Asn	Pro	Ala	Ile	Arg	Ala	Asn	Cys	His	Gln	Glu	Pro	
				20					25					30	
Ser	Val	Cys	Leu	Gln	Ala	Ala	Cys	Pro	Glu	Ser	Trp	Ile	Gly	Phe	
				35					40					45	
Gln	Arg	Lys	Cys	Phe	Tyr	Phe	Ser	Asp	Asp	Thr	Lys	Asn	Trp	Thr	
				50					55					60	
Ser	Ser	Gln	Arg	Phe	Cys	Asp	Ser	Gln	Asp	Ala	Asp	Leu	Ala	Gln	
				65					70					75	
Val	Glu	Ser	Phe	Gln	Glu	Leu	Asn	Phe	Leu	Leu	Arg	Tyr	Lys	Gly	
				80					85					90	
Pro	Ser	Asp	His	Trp	Ile	Gly	Leu	Ser	Arg	Glu	Gln	Gly	Gln	Pro	
				95					100					105	
Trp	Lys	Trp	Ile	Asn	Gly	Thr	Glu	Trp	Thr	Arg	Gln	Phe	Pro	Ile	
				110					115					120	
Leu	Gly	Ala	Gly	Glu	Cys	Ala	Tyr	Leu	Asn	Asp	Lys	Gly	Ala	Ser	
				125					130					135	
Ser	Ala	Arg	His	Tyr	Thr	Glu	Arg	Lys	Trp	Ile	Cys	Ser	Lys	Ser	
				140					145					150	
Asp	Ile	His	Val												

<210> 15

<211> 431

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7515114CD1

<400> 15

Met	Pro	Ala	Val	Ser	Gly	Pro	Gly	Pro	Leu	Phe	Cys	Leu	Leu	Leu	
1				5					10					15	
Leu	Leu	Leu	Asp	Pro	His	Ser	Pro	Glu	Thr	Gly	Cys	Pro	Pro	Leu	
				20					25					30	
Arg	Arg	Phe	Glu	Tyr	Lys	Leu	Ser	Phe	Lys	Gly	Pro	Arg	Leu	Ala	
				35					40					45	
Leu	Pro	Gly	Ala	Gly	Ile	Pro	Phe	Trp	Ser	His	His	Gly	Asp	Ala	
				50					55					60	
Ile	Leu	Gly	Leu	Glu	Glu	Val	Arg	Leu	Thr	Pro	Ser	Met	Arg	Asn	
				65					70					75	
Arg	Ser	Gly	Ala	Val	Trp	Ser	Arg	Ala	Ser	Val	Pro	Phe	Ser	Ala	
				80					85					90	
Trp	Glu	Val	Glu	Val	Gln	Met	Arg	Val	Thr	Gly	Leu	Gly	Arg	Arg	
				95					100					105	
Gly	Ala	Gln	Gly	Met	Ala	Val	Trp	Tyr	Thr	Arg	Gly	Arg	Gly	His	
				110					115					120	
Val	Gly	Ser	Val	Leu	Gly	Gly	Leu	Ala	Ser	Trp	Asp	Gly	Ile	Gly	
				125					130					135	
Ile	Phe	Phe	Asp	Ser	Pro	Ala	Glu	Asp	Thr	Gln	Asp	Ser	Pro	Ala	
				140					145					150	
Ile	Arg	Val	Leu	Ala	Ser	Asp	Gly	His	Ile	Pro	Ser	Glu	Gln	Pro	
				155					160					165	
Gly	Asp	Gly	Ala	Ser	Gln	Gly	Leu	Gly	Ser	Cys	His	Trp	Asp	Phe	
				170					175					180	
Arg	Asn	Arg	Pro	His	Pro	Phe	Arg	Ala	Arg	Ile	Thr	Tyr	Trp	Gly	
				185					190					195	
Gln	Arg	Leu	Arg	Met	Ser	Leu	Asn	Ser	Gly	Leu	Thr	Pro	Ser	Asp	

Pro Gly Glu Phe	200	Cys Val Asp Val Gly	205	Pro Leu Leu Leu Val	210
Gly Gly Phe Phe	215	Gly Val Ser Ala Ala	220	Thr Gly Thr Leu Ala	225
Glu Asp Pro Thr	230	Gly Gln Val Pro Pro	235	Gln Pro Phe Leu Glu	240
Gln Gln Leu Arg	245	Leu Ala Arg Gln Leu	250	Glu Gly Leu Trp Ala	255
Leu Gly Leu Gly	260	Thr Arg Glu Asp Val	265	Thr Pro Lys Ser Asp	270
Glu Ala Gln Gly	275	Glu Gly Glu Arg Leu	280	Phe Asp Leu Glu Glu	285
Leu Gly Arg His	290	Arg Arg Ile Leu Gln	295	Ala Leu Arg Gly Leu	300
Lys Gln Leu Ala	305	Gln Ala Glu Arg Gln	310	Trp Lys Lys Gln Leu	315
Pro Pro Gly Gln	320	Thr Arg Pro Asp Gly	325	Gly Trp Ala Leu Asp	330
Ser Cys Gln Ile	335	Pro Ser Thr Pro Gly	340	Arg Gly Gly His Leu	345
Met Ser Leu Asn	350	Lys Asp Ser Ala Lys	355	Val Gly Ala Leu Leu	360
Gly Gln Trp Thr	365	Leu Leu Gln Ala Leu	370	Gln Glu Met Ser Arg	375
Glu Leu Asn Lys	380	Ser Leu Gln Glu Cys	385	Leu Ser Thr Gly Ser	390
Pro Leu Gly Pro	395	Ala Pro His Thr Pro	400	Arg Ala Leu Gly Ile	405
Arg Arg Gln Pro	410	Leu Pro Ala Ser Met	415	Pro Ala	420
	425		430		

<210> 16
 <211> 442
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515136CD1

<400> 16

Met Pro Ala Val Ser	Gly Pro Gly Pro Leu	Phe Cys Leu Leu Leu
1	5	10
Leu Leu Leu Asp Pro	His Ser Pro Glu Thr	Gly Cys Pro Pro Leu
20	25	30
Arg Arg Phe Glu Tyr	Lys Leu Ser Phe Lys	Gly Pro Arg Leu Ala
35	40	45
Leu Pro Gly Ala Gly	Ile Pro Phe Trp Ser	His His Gly Asp Ala
50	55	60
Ile Leu Gly Leu Glu	Glu Val Arg Leu Thr	Pro Ser Met Arg Asn
65	70	75
Arg Ser Gly Ala Val	Trp Ser Arg Ala Ser	Val Pro Phe Ser Ala
80	85	90
Trp Glu Val Glu Val	Gln Met Arg Val Thr	Gly Leu Gly Arg Arg
95	100	105
Gly Ala Gln Gly Met	Ala Val Trp Tyr Thr	Arg Gly Arg Gly His
110	115	120
Val Gly Ser Val Leu	Gly Gly Leu Ala Ser	Trp Asp Gly Ile Gly
125	130	135
Ile Phe Phe Asp Ser	Pro Ala Glu Asp Thr	Gln Asp Ser Pro Ala
140	145	150
Ile Arg Val Leu Ala	Ser Asp Gly His Ile	Pro Ser Glu Gln Pro

	155		160		165
Gly Asp Gly Ala Ser	Gln Gly Leu Gly Ser	Cys His Trp Asp Phe			
	170		175		180
Arg Asn Arg Pro His	Pro Phe Arg Ala Arg	Ile Thr Tyr Trp Gly			
	185		190		195
Gln Arg Leu Arg Met	Ser Leu Asn Ser Gly	Leu Thr Pro Ser Asp			
	200		205		210
Pro Gly Glu Phe Cys	Val Asp Val Gly Pro	Leu Leu Leu Val Pro			
	215		220		225
Gly Gly Phe Phe Gly	Val Ser Ala Ala Thr	Gly Thr Leu Ala Asp			
	230		235		240
Asp His Asp Val Leu	Ser Phe Leu Thr Phe	Ser Leu Ser Glu Pro			
	245		250		255
Ser Pro Glu Val Pro	Gln Pro Phe Leu	Glu Met Gln Gln Leu			
	260		265		270
Arg Leu Ala Arg Gln	Leu Glu Gly Leu Trp	Ala Arg Leu Gly Leu			
	275		280		285
Gly Thr Arg Glu Asp	Val Thr Pro Lys Ser	Asp Ser Glu Ala Gln			
	290		295		300
Gly Glu Gly Glu Arg	Leu Phe Asp Leu Glu	Glu Thr Leu Gly Arg			
	305		310		315
His Arg Arg Ile Leu	Gln Ala Leu Arg Gly	Leu Ser Lys Gln Leu			
	320		325		330
Ala Gln Ala Glu Arg	Gln Trp Lys Lys Gln	Leu Gly Pro Pro Gly			
	335		340		345
Gln Ala Arg Pro Asp	Gly Gly Trp Ala Leu	Asp Ala Ser Cys Gln			
	350		355		360
Ile Pro Ser Thr Pro	Gly Arg Gly Gly His	Leu Ser Met Ser Leu			
	365		370		375
Asn Lys Asp Ser Ala	Lys Val Gly Ala Leu	Leu His Gly Gln Trp			
	380		385		390
Thr Leu Leu Arg Ala	Leu Gln Glu Met Arg	Gln Glu Leu Asn Lys			
	395		400		405
Ser Leu Gln Glu Cys	Leu Ser Thr Gly Ser	Leu Pro Leu Gly Pro			
	410		415		420
Ala Pro His Thr Pro	Arg Ala Leu Gly Ile	Leu Arg Arg Gln Pro			
	425		430		435
Leu Pro Ala Ser Met	Pro Ala				
	440				

<210> 17
 <211> 198
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515308CD1

<400> 17	
Met Thr Ser Glu Ile Thr Tyr Ala Glu Val Arg Phe Lys Asn Glu	
1 5 10 15	
Phe Lys Ser Ser Gly Ile Asn Thr Ala Ser Ser Ala Val Phe Phe	
20 25 30	
Gln Lys Tyr Ser Gln Leu Leu Glu Lys Lys Thr Thr Lys Glu Leu	
35 40 45	
Val His Thr Thr Leu Glu Cys Val Lys Lys Asn Met Pro Val Glu	
50 55 60	
Glu Thr Ala Trp Ser Cys Cys Pro Lys Asn Trp Lys Ser Phe Ser	
65 70 75	
Ser Asn Cys Tyr Phe Ile Ser Thr Glu Ser Ala Ser Trp Gln Asp	
80 85 90	
Ser Glu Lys Asp Cys Ala Arg Met Glu Ala His Leu Leu Val Ile	

	95		100		105
Asn Thr Gln Glu	Glu Gln Asp Phe Ile	Phe Gln Asn Leu Gln	Glu		
	110		115		120
Glu Ser Ala Tyr	Phe Val Gly Leu Ser	Asp Pro Glu Gly Gln	Arg		
	125		130		135
His Trp Gln Trp	Val Asp Gln Thr Pro	Tyr Asn Glu Ser Ser	Ala		
	140		145		150
Phe Trp His Pro	Arg Glu Pro Ser Asp	Pro Asn Glu Arg Cys	Val		
	155		160		165
Val Leu Asn Phe	Arg Lys Ser Pro Lys	Arg Trp Gly Trp Asn	Asp		
	170		175		180
Val Asn Cys Leu	Gly Pro Gln Arg Ser	Val Cys Glu Met Met	Lys		
	185		190		195
Ile His Leu					

<210> 18
 <211> 336
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7516738CD1

<400> 18	
Met Leu Leu Phe Leu Leu Ser Ala Leu Val Leu Leu Thr Gln Pro	
1	5 10 15
Leu Gly Tyr Leu Glu Ala Glu Met Lys Thr Tyr Ser His Arg Thr	
	20 25 30
Met Pro Ser Ala Cys Thr Leu Val Met Cys Ser Ser Val Glu Ser	
	35 40 45
Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly Arg Glu Gly Pro Arg	
	50 55 60
Gly Glu Lys Gly Asp Pro Gly Leu Pro Gly Ala Ala Gly Gln Ala	
	65 70 75
Gly Met Pro Gly Gln Ala Gly Pro Val Gly Pro Lys Gly Asp Asn	
	80 85 90
Gly Ser Val Gly Glu Pro Gly Pro Lys Gly Asp Thr Gly Pro Ser	
	95 100 105
Gly Glu Val Gly Ala Pro Gly Met Gln Gly Ser Ala Gly Ala Arg	
	110 115 120
Gly Leu Ala Gly Pro Lys Gly Glu Arg Gly Val Pro Gly Glu Arg	
	125 130 135
Gly Val Pro Gly Asn Ala Gly Ala Ala Gly Ser Ala Gly Ala Met	
	140 145 150
Gly Pro Gln Gly Ser Pro Gly Ala Arg Gly Pro Pro Gly Leu Lys	
	155 160 165
Gly Asp Lys Gly Ile Pro Gly Asp Lys Gly Ala Lys Gly Glu Ser	
	170 175 180
Gly Leu Pro Asp Val Ala Ser Leu Arg Gln Gln Val Glu Ala Leu	
	185 190 195
Gln Gly Gln Val Gln His Leu Gln Ala Ala Phe Ser Gln Tyr Lys	
	200 205 210
Lys Val Glu Leu Phe Pro Asn Gly Gln Ser Val Gly Glu Lys Ile	
	215 220 225
Phe Lys Thr Ala Gly Phe Val Lys Pro Phe Thr Glu Ala Gln Leu	
	230 235 240
Leu Cys Thr Gln Ala Gly Gly Gln Leu Ala Ser Pro Arg Ser Ala	
	245 250 255
Ala Glu Asn Ala Ala Leu Gln Gln Leu Val Val Ala Lys Asn Glu	
	260 265 270
Ala Ala Phe Leu Ser Met Thr Asp Ser Lys Thr Glu Gly Lys Phe	

	275		280		285
Thr Tyr Pro Thr	Gly Glu Ser Leu Val	Tyr Ser Asn Trp Ala Pro			
	290		295		300
Gly Glu Pro Asn	Asp Asp Gly Gly Ser	Glu Asp Cys Val Glu Ile			
	305		310		315
Phe Thr Asn Gly	Lys Trp Asn Asp Arg	Ala Cys Gly Glu Lys Arg			
	320		325		330
Leu Val Val Cys	Glu Phe				
	335				

<210> 19
 <211> 258
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7518619CD1

<400> 19

Met Met Leu Ser Leu	Asn Asn Leu Gln Asn	Ile Ile Tyr Asn Pro	
1	5	10	15
Val Ile Pro Tyr Val	Gly Thr Ile Pro Asp	Gln Leu Asp Pro Gly	
	20	25	30
Thr Leu Ile Val Ile	Cys Gly His Val Pro	Ser Asp Ala Asp Arg	
	35	40	45
Phe Gln Val Asp Leu	Gln Asn Gly Ser Ser	Val Lys Pro Arg Ala	
	50	55	60
Asp Val Ala Phe His	Phe Asn Pro Arg Phe	Lys Arg Ala Gly Cys	
	65	70	75
Ile Val Cys Asn Thr	Leu Ile Asn Glu Lys	Trp Gly Arg Glu Glu	
	80	85	90
Ile Thr Tyr Asp Thr	Pro Phe Lys Arg Glu	Lys Ser Phe Glu Ile	
	95	100	105
Val Ile Met Val Leu	Lys Asp Lys Phe Gln	Val Pro Lys Ser Gly	
	110	115	120
Thr Pro Gln Leu Ser	Leu Pro Phe Ala Ala	Arg Leu Asn Thr Pro	
	125	130	135
Met Gly Pro Gly Arg	Thr Val Val Val Lys	Gly Glu Val Asn Ala	
	140	145	150
Asn Ala Lys Ser Phe	Asn Val Asp Leu Leu	Ala Gly Lys Ser Lys	
	155	160	165
Asp Ile Ala Leu His	Leu Asn Pro Arg Leu	Asn Ile Lys Ala Phe	
	170	175	180
Val Arg Asn Ser Phe	Leu Gln Glu Ser Trp	Gly Glu Glu Glu Arg	
	185	190	195
Asn Ile Thr Ser Phe	Pro Phe Ser Pro Gly	Met Tyr Phe Glu Met	
	200	205	210
Ile Ile Tyr Cys Asp	Val Arg Glu Phe Lys	Val Ala Val Asn Gly	
	215	220	225
Val His Ser Leu Glu	Tyr Lys His Arg Phe	Lys Glu Leu Ser Ser	
	230	235	240
Ile Asp Thr Leu Glu	Ile Asn Gly Asp Ile	His Leu Leu Glu Val	
	245	250	255

Arg Ser Trp

<210> 20
 <211> 132
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature
<223> Incyte ID No: 7513061CD1

<400> 20
Met Ala Gln Thr Asn Ser Phe Phe Met Leu Ile Ser Ser Leu Met
1 5 10 15
Phe Leu Ser Leu Ser Gln Gly Gln Glu Ser Gln Thr Glu Leu Pro
20 25 30
Asn Pro Arg Ile Ser Cys Pro Glu Gly Thr Asn Ala Tyr Arg Ser
35 40 45
Tyr Cys Tyr Tyr Phe Asn Glu Asp Pro Glu Thr Trp Val Asp Ala
50 55 60
Asp Leu Tyr Cys Gln Asn Met Asn Ser Gly Asn Leu Val Ser Val
65 70 75
Leu Thr Gln Ala Glu Gly Ala Phe Val Ala Ser Leu Ile Lys Glu
80 85 90
Ser Ser Thr Asp Asp Ser Asn Val Trp Ile Gly Leu His Asp Pro
95 100 105
Lys Lys Asp Ser Arg Asn Gly Arg Met Asn Leu Val Arg Arg Ser
110 115 120
Ser Pro Leu Phe Ala Ser Ser Lys Thr Arg Gly Ser
125 130

<210> 21
<211> 1143
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7521032CB1

<400> 21
gcctgtgggt tgcagtaaaa agacaaggag ggcctgagtg atatgaccct tcagataggg 60
aactcacaga cggccagatg ggaggtggag cagggagcgtc attccactgg ccatttttca 120
gtagcaatac acaatcttca tcagaaccag cattgttggg ttcaccctcg ttccagtttg 180
tgtaggtcag tctatttctc gtcagatcca caaactgccc ttctgtcttc tcatcagtga 240
tgcccaggaa ggcttctctc ttgatgagat tctgaatggc tccatgtccc tgtttccatc 300
actcctctc cttctctctga gtatgggtggc agcgtcttac tcagaaactg tgacctgtga 360
ggatgcccac aagacctgcc ctgcagtgat tgctgttagc tctccaggca tcaacggctt 420
cccaggcaaa gatgggctg atggcaccac gggagaaaag ggggaaccag gccaagggct 480
cagaggctta cagggccccc ctggaaagt ggggcctcca ggaaatccag ggccttcttg 540
gtcaccagga ccaaagggcc aaaaaggaga ccctggaaaa agtccgggta aggaccccag 600
caaggtctga gctgacttca cccaggggtt ctgagacctt gactatctga tggatagat 660
agcctggctg cctcagaaa aaaagctctg caaacagaaa tggcacgtat caaaaagtgg 720
ctgaccttct ctctgggcaa acaagtggg aacaagttct tcctgaccaa tggatgaaata 780
atgacctttg aaaaagtga ggccttgtgt gtcaagttcc agggccctgt ggccaccccc 840
aggaatgctg cagagaatgg agccattcag aatctcatca aggaggaagc cttcctgggc 900
atcactgatg agaagacaga agggcagttt gtggatctga caggaaatag actgacctac 960
acaaactgga acgaggggtga acccaacaat gctggttctg atgaagattg tgtattgcta 1020
ctgaaaaatg gccagtggaa tgacgtcccc tgctccacct cccatctggc cgtctgtgag 1080
ttccctatct gaaggggtcat atcactcagg ccctccttgt ctttttactg caaccacag 1140
gca 1143

<210> 22
<211> 2591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2936048CB1

<400> 22

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cgcggcgcga cgcgcctcagt cacttcgccc agagaccccg acctgggtccg ctggggagca 60
ggcgcccata aacccccctct ctcccgggttc cctgacgccg cggcaggagc tgttacaaac 120
accctgcggt tgggtctccga tgcccttcag tgagggtggg acgcctggac cctgggtgagc 180
gaaccccaag ccacccccca ccccaactca gtgtcttcgc cggcccccg cccgtacgcc 240
tgtctggtcg ccatgggtga aaacacagag ggggatctga actccaacct gctccacgcc 300
ccctaccaca ccgggggaccc tcagctggac acggccatcg ggcagtggct ccgctgggat 360
aagaatccca aaacaaaaga gcagattgaa aacctgttac ggaatgggat gaacaaggag 420
ctgcgagatc gtctttgttg ccgaatgact tttgggactg caggacttcg tcttgccatg 480
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 <213> Homo sapiens

<220>
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<220>
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 <212> DNA
 <213> Homo sapiens

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<220>
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 <213> Homo sapiens

<220>
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 <211> 1343
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<220>
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<210> 32

<211> 1840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 8266965CB1

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<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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caactgaagt	tctgactact	agaatcaaag	aaatccagag	gaggtttcca	acctggaccc	360
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gcagccagga	cctgagctgt	gacttctgca	atgatgtcct	tgacagagcc	aagtacctca	480
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 <211> 924
 <212> DNA
 <213> Homo sapiens

<220>
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 <211> 1346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7515114CB1

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<210> 36
 <211> 1379
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7515136CB1

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gaggtgcaga	tgaggggtgac
tacaccgggg	gcagggggcca
atcgggatct	tctttgactc
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 <211> 999
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 7515308CB1

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aatcagcatc	ttggcaagac
tgataaacac	tcaagaagag
atthttgtgg	gctctcagat
catacaatga	aagttccgca
gcgttgtgct	aaatthttcg
ttggtcctca	aaggtcagtt
catgaacagg	tggttggatt
ttcatgtgta	agggaggtcc
gaattggtct	gtacattgac
tctgaagaaa	gcagaagctc
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ttagttccaa	ctgctacttt
actgtgctag	aatggaggct
tcttccagaa	tctgcaagaa
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cacgtgagcc	cagtgatccc
cttccagaa	cttgaatgat
tgagatcca	cttatgaact
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tttcataaag	tgagcattta

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<210> 38
<211> 1072
<212> DNA
<213> Homo sapiens

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<220>
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<223> Incyte ID No: 7516738CB1

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<210> 39
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<212> DNA
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<220>
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<211> 864
<212> DNA
<213> Homo sapiens

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<220>
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